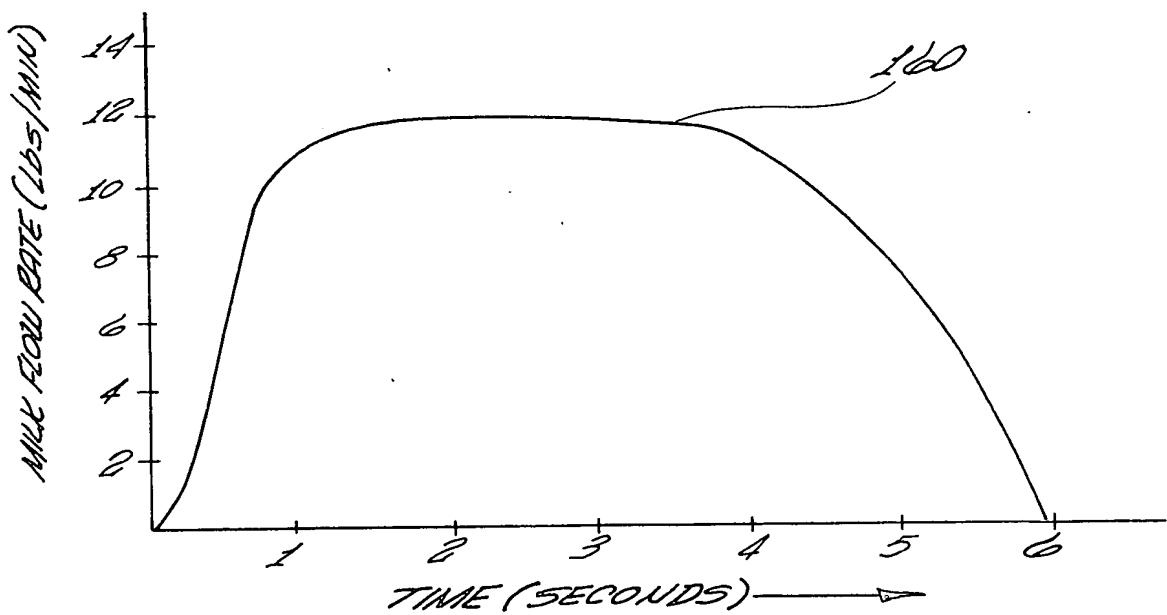
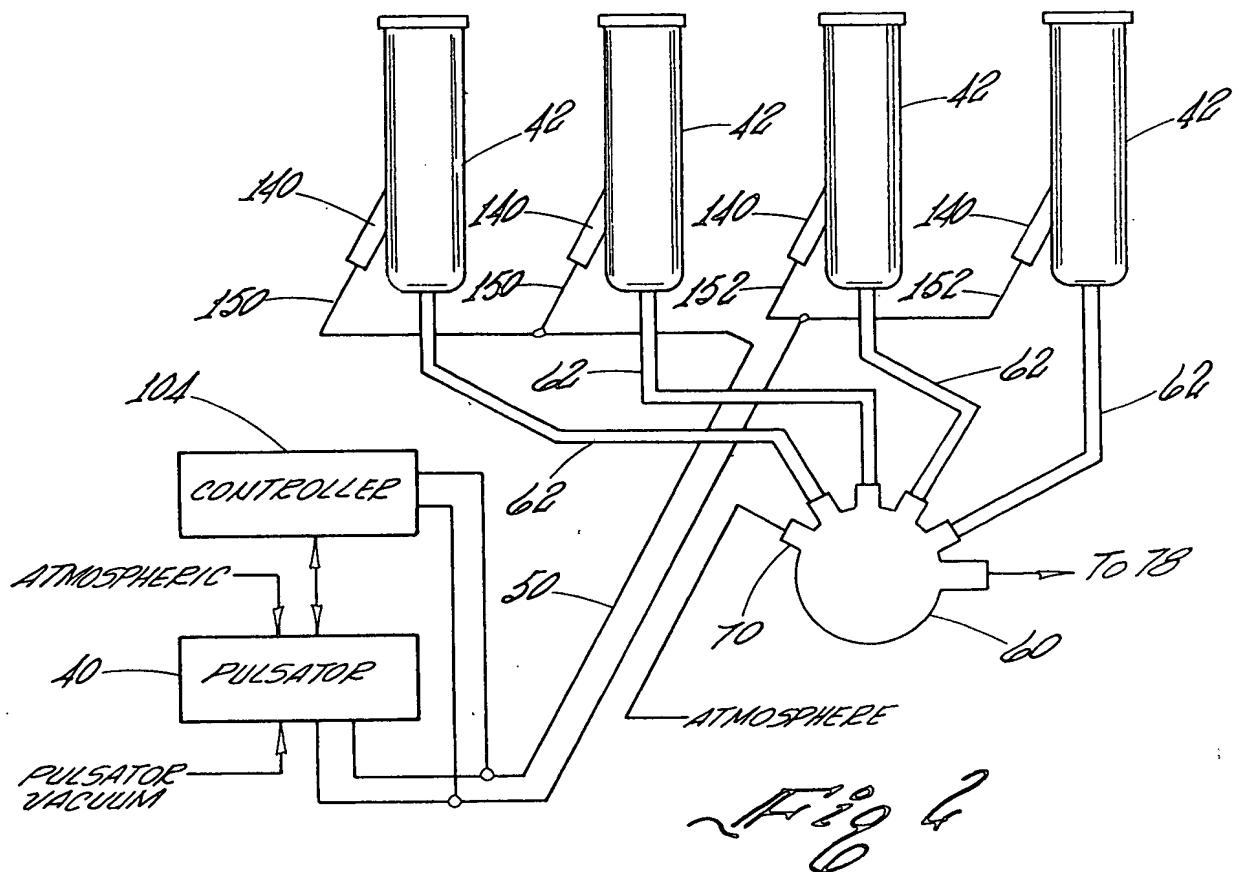


Fig 1



~Fig 3

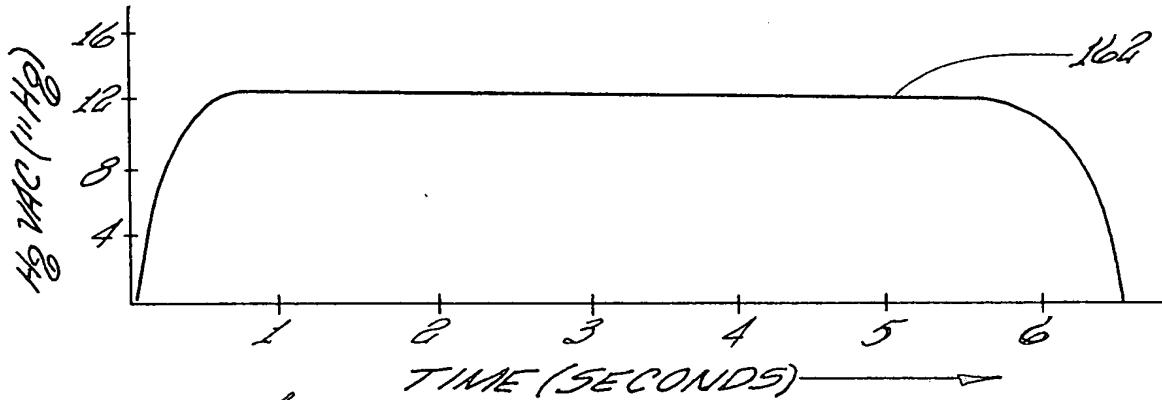


Fig 4

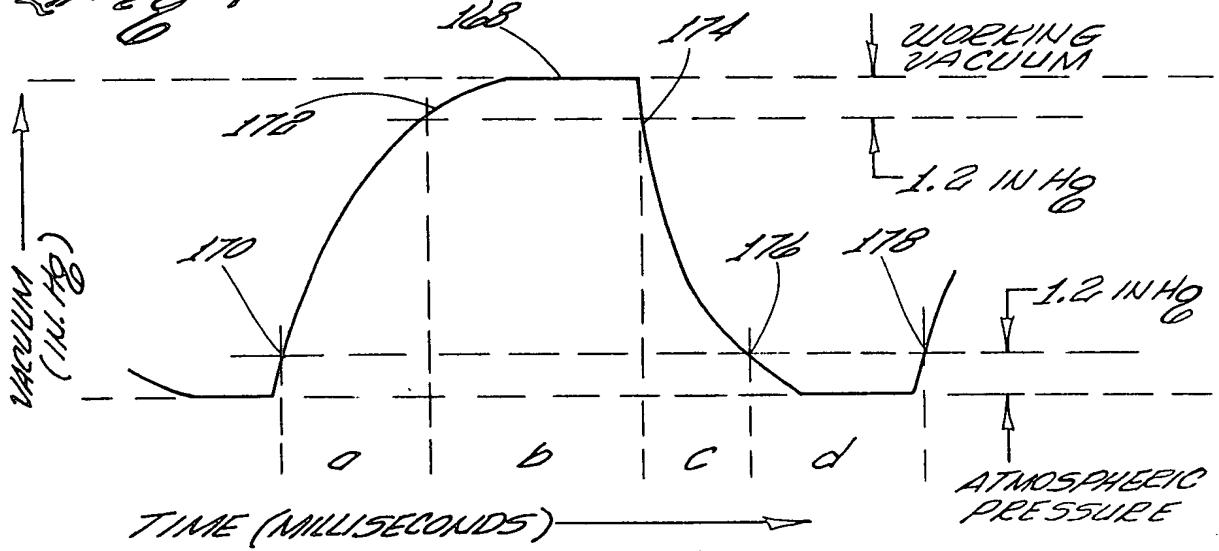


Fig 4

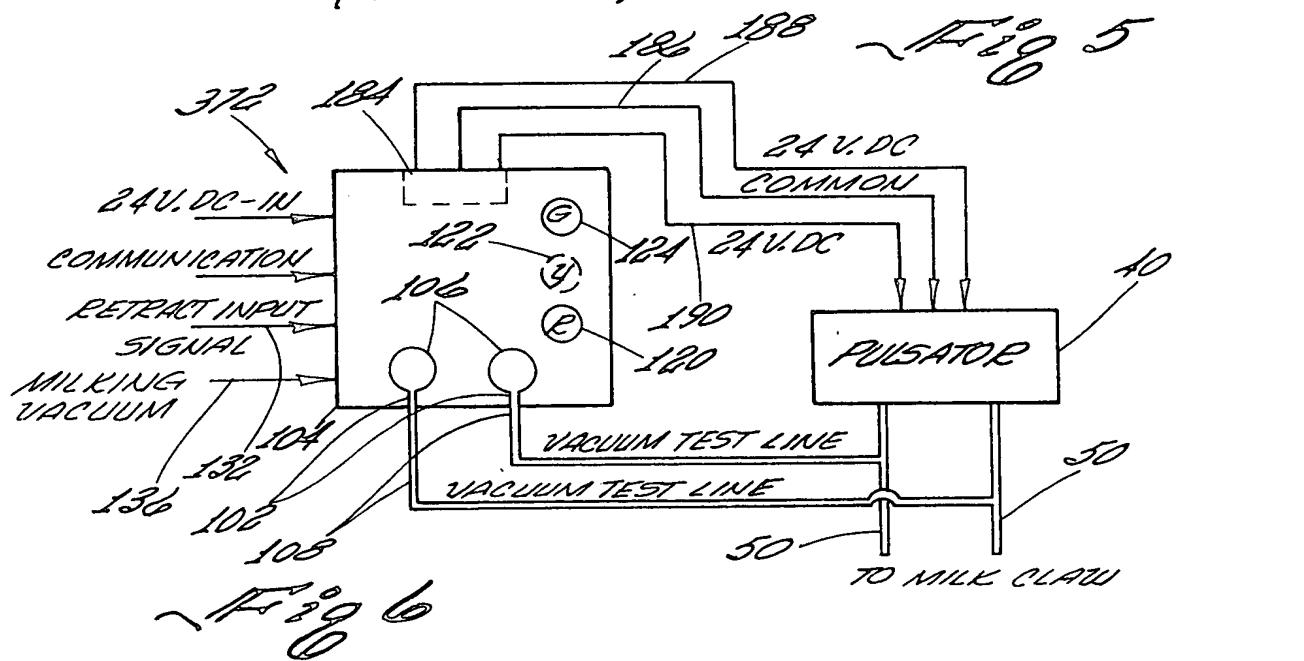
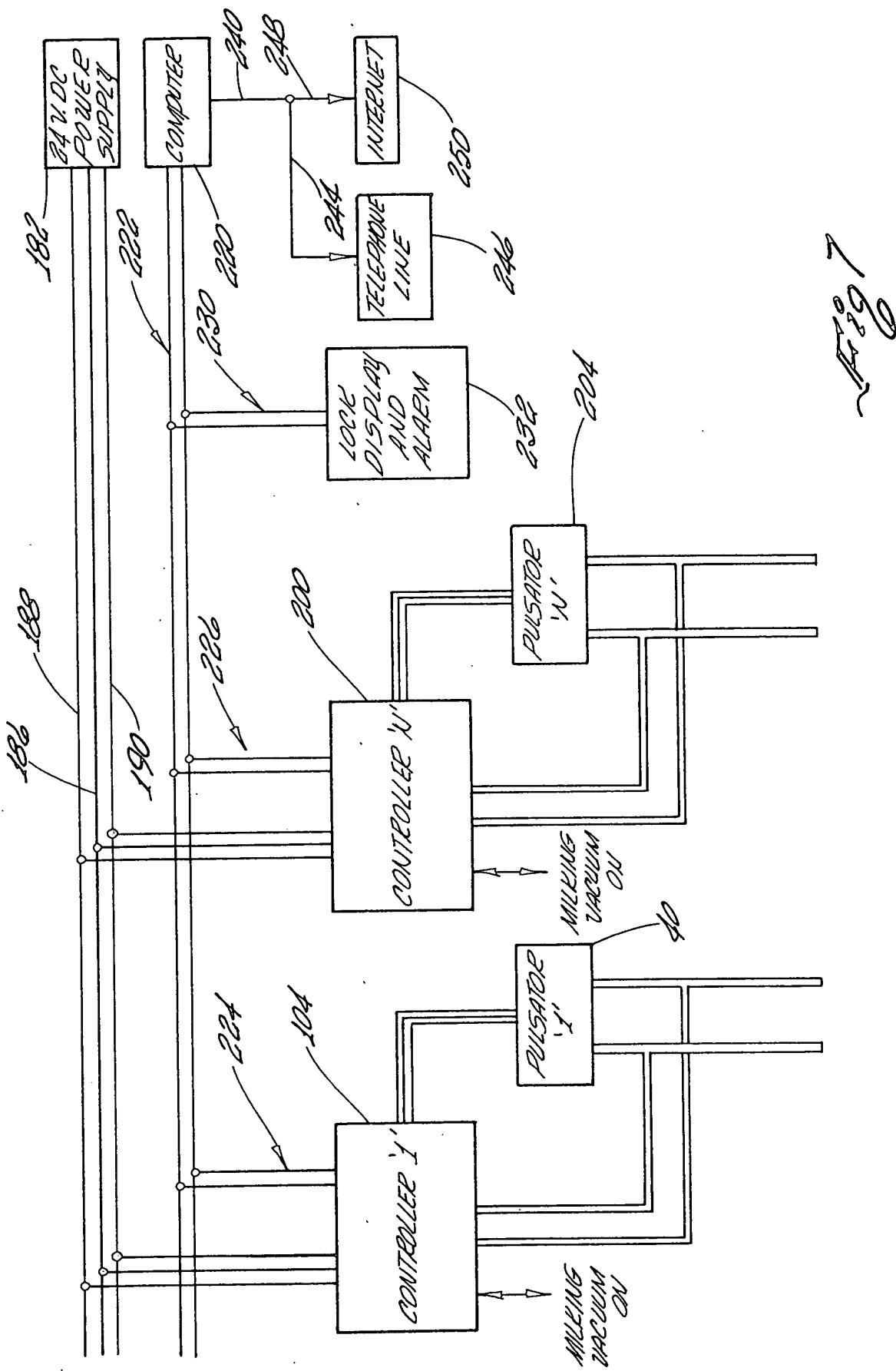
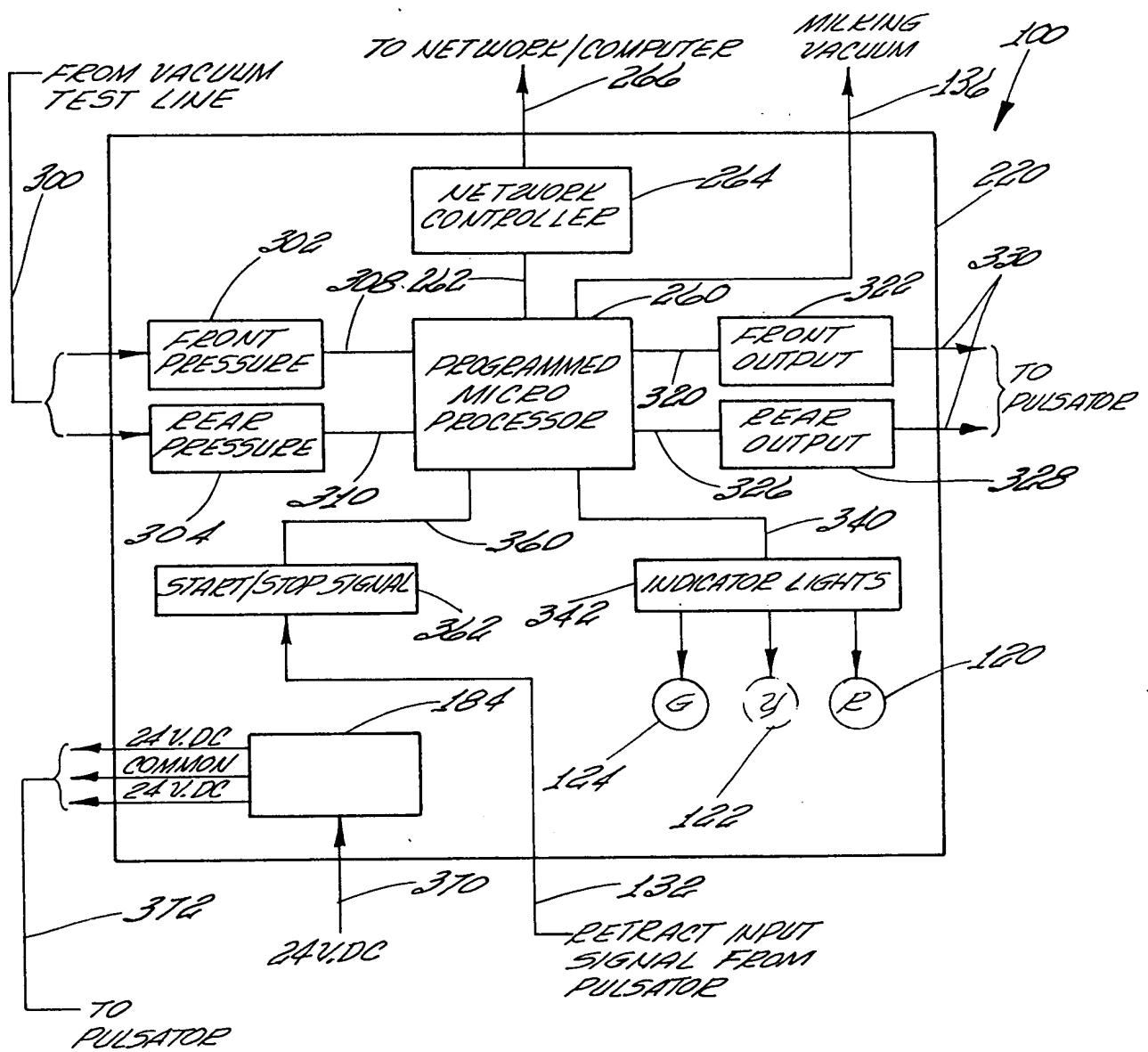
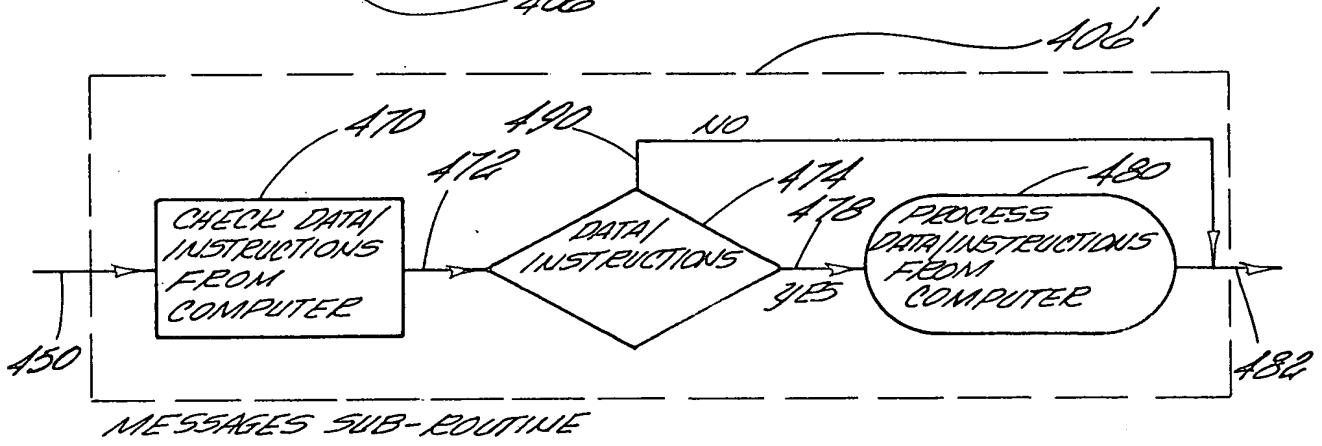
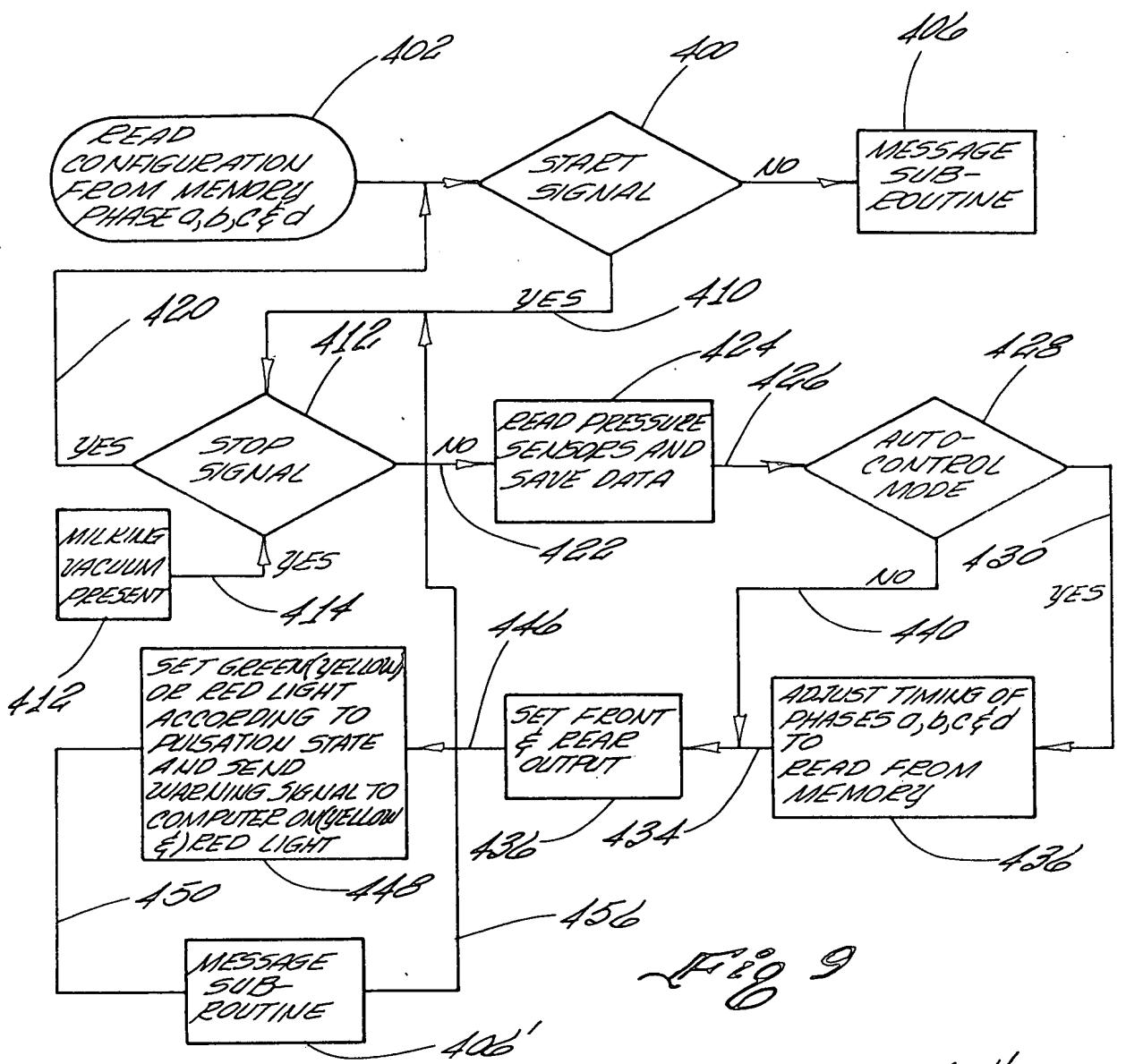


Fig 6







Alarm Configurations

Setting Rates and Ratios	
PPM >>	60
F. Ratio >>	60%
R.Ratio >>	40%

502

Setting System Variables	
"A" time >>	100 < Note : every system is different
"C" time >>	130 < Note : every system is different

504

Setting Alarm Parameters	
Yellow % >>	- 85%
Red % >>	70%

508

Ideal ms	
A + B	600
A phase	100
B phase	500

514

Yellow Warning min max	
85	118
425	588

510

Red Warning min max	
70	143
350	714

512

516	
C + D	400
C phase	130
D phase	270

111	153
230	318

Fig 11

524

520

Pulsator Monitor Stall: 01

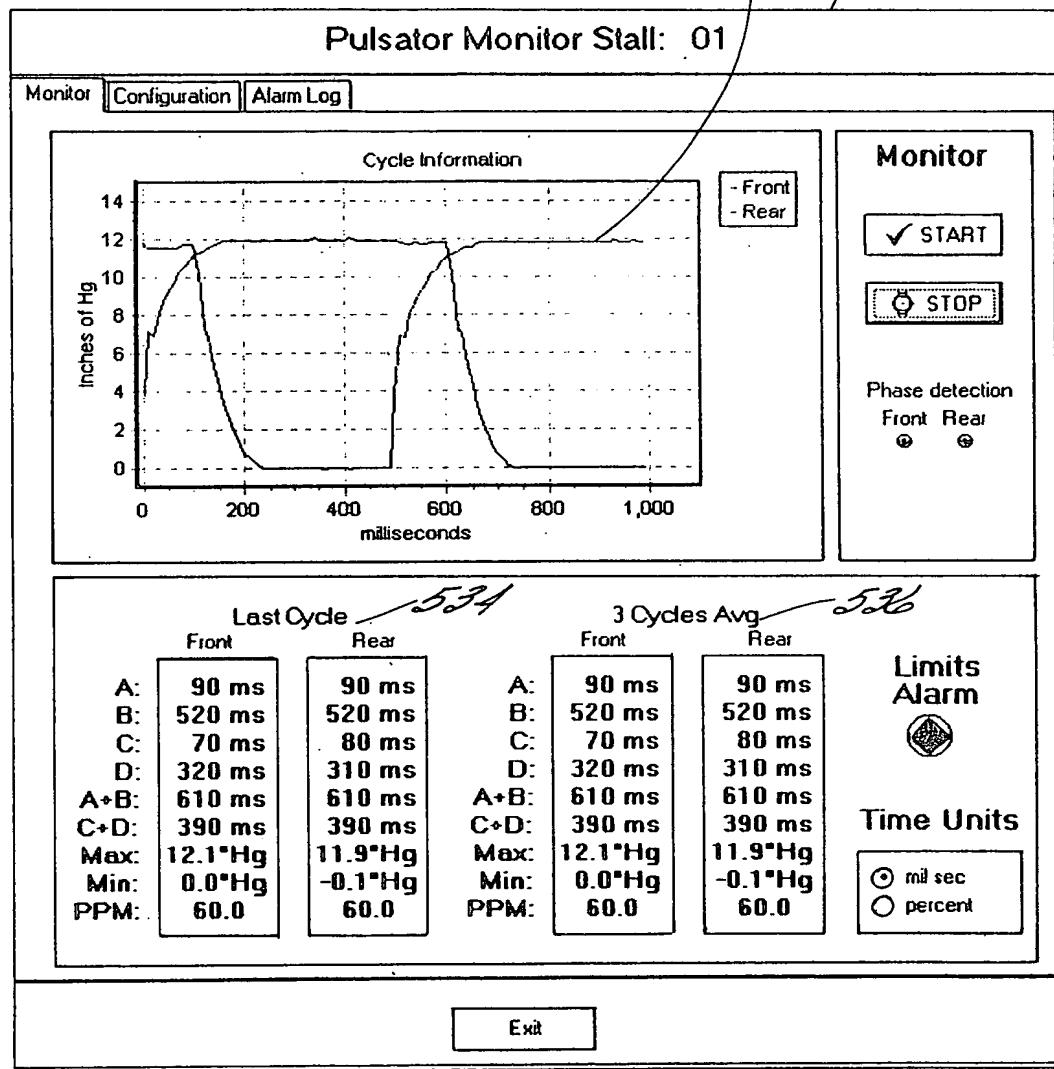
Monitor Configuration Alarm Log

Pulsation Alarms

<p>PPM: <input type="text" value="60"/></p> <p>Rate On: <input type="text" value="60"/> %</p> <p>Rate Off: <input type="text" value="40"/> %</p> <p><input checked="" type="checkbox"/> Do Pulsation</p> <p> <input type="button" value="READ"/></p> <p> <input type="button" value="SET"/></p>	<p>Cycles to Average: <input type="text" value="3"/></p> <p><input checked="" type="checkbox"/> Show Cicle</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"> <p>YELLOW</p> </td> <td style="width: 50%; text-align: center;"> <p>RED</p> </td> </tr> <tr> <td>MIN <input type="text" value="60"/></td> <td>MAX <input type="text" value="100"/></td> <td>MIN <input type="text" value="50"/></td> <td>MAX <input type="text" value="130"/></td> <td>msec</td> </tr> <tr> <td>PHASE A</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"> <p>PHASE B</p> <input type="text" value="430"/> <input type="text" value="600"/> <input type="text" value="350"/> <input type="text" value="730"/> msec </td> <td style="width: 50%; text-align: center;"> <p>PHASE C</p> <input type="text" value="60"/> <input type="text" value="100"/> <input type="text" value="50"/> <input type="text" value="130"/> msec </td> </tr> <tr> <td>PHASE D</td> <td></td> </tr> <tr> <td style="text-align: center;"> <input type="text" value="260"/> <input type="text" value="370"/> <input type="text" value="220"/> <input type="text" value="440"/> msec </td> <td></td> </tr> <tr> <td>Max Vacc</td> <td><input type="text" value="11.3"/> <input type="text" value="12.7"/> <input type="text" value="10.8"/> <input type="text" value="12.8"/> "Hg</td> </tr> <tr> <td>Min Vacc</td> <td><input type="text" value="-0.3"/> <input type="text" value="0.3"/> <input type="text" value="-0.5"/> <input type="text" value="0.5"/> "Hg</td> </tr> </table> <p> <input type="button" value="READ"/> <input type="button" value="SET"/></p>	<p>YELLOW</p>	<p>RED</p>	MIN <input type="text" value="60"/>	MAX <input type="text" value="100"/>	MIN <input type="text" value="50"/>	MAX <input type="text" value="130"/>	msec	PHASE A					<p>PHASE B</p> <input type="text" value="430"/> <input type="text" value="600"/> <input type="text" value="350"/> <input type="text" value="730"/> msec	<p>PHASE C</p> <input type="text" value="60"/> <input type="text" value="100"/> <input type="text" value="50"/> <input type="text" value="130"/> msec	PHASE D		<input type="text" value="260"/> <input type="text" value="370"/> <input type="text" value="220"/> <input type="text" value="440"/> msec		Max Vacc	<input type="text" value="11.3"/> <input type="text" value="12.7"/> <input type="text" value="10.8"/> <input type="text" value="12.8"/> "Hg	Min Vacc	<input type="text" value="-0.3"/> <input type="text" value="0.3"/> <input type="text" value="-0.5"/> <input type="text" value="0.5"/> "Hg
<p>YELLOW</p>	<p>RED</p>																						
MIN <input type="text" value="60"/>	MAX <input type="text" value="100"/>	MIN <input type="text" value="50"/>	MAX <input type="text" value="130"/>	msec																			
PHASE A																							
<p>PHASE B</p> <input type="text" value="430"/> <input type="text" value="600"/> <input type="text" value="350"/> <input type="text" value="730"/> msec	<p>PHASE C</p> <input type="text" value="60"/> <input type="text" value="100"/> <input type="text" value="50"/> <input type="text" value="130"/> msec																						
PHASE D																							
<input type="text" value="260"/> <input type="text" value="370"/> <input type="text" value="220"/> <input type="text" value="440"/> msec																							
Max Vacc	<input type="text" value="11.3"/> <input type="text" value="12.7"/> <input type="text" value="10.8"/> <input type="text" value="12.8"/> "Hg																						
Min Vacc	<input type="text" value="-0.3"/> <input type="text" value="0.3"/> <input type="text" value="-0.5"/> <input type="text" value="0.5"/> "Hg																						

Exit

Fig 12



~Fig 13

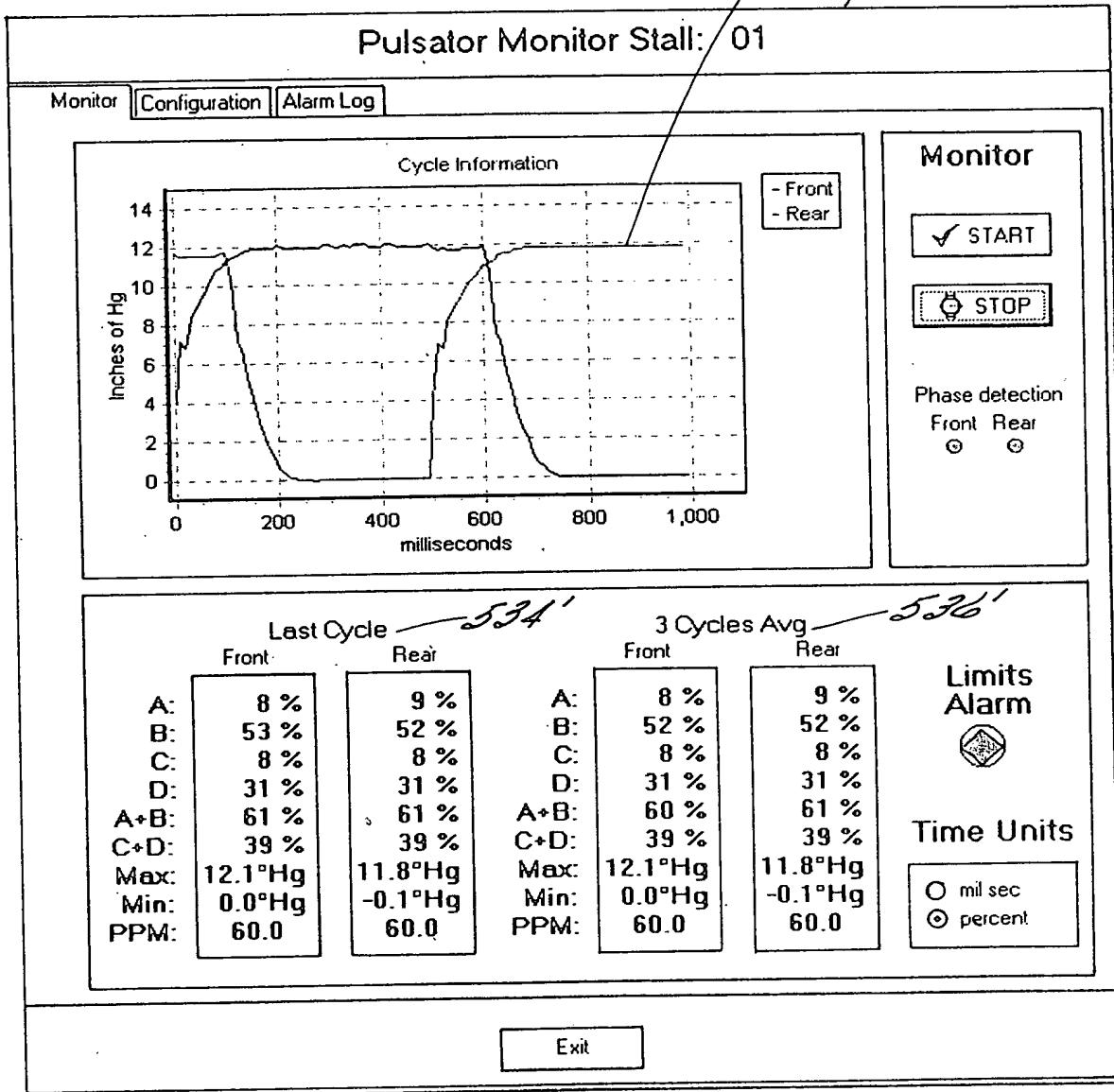
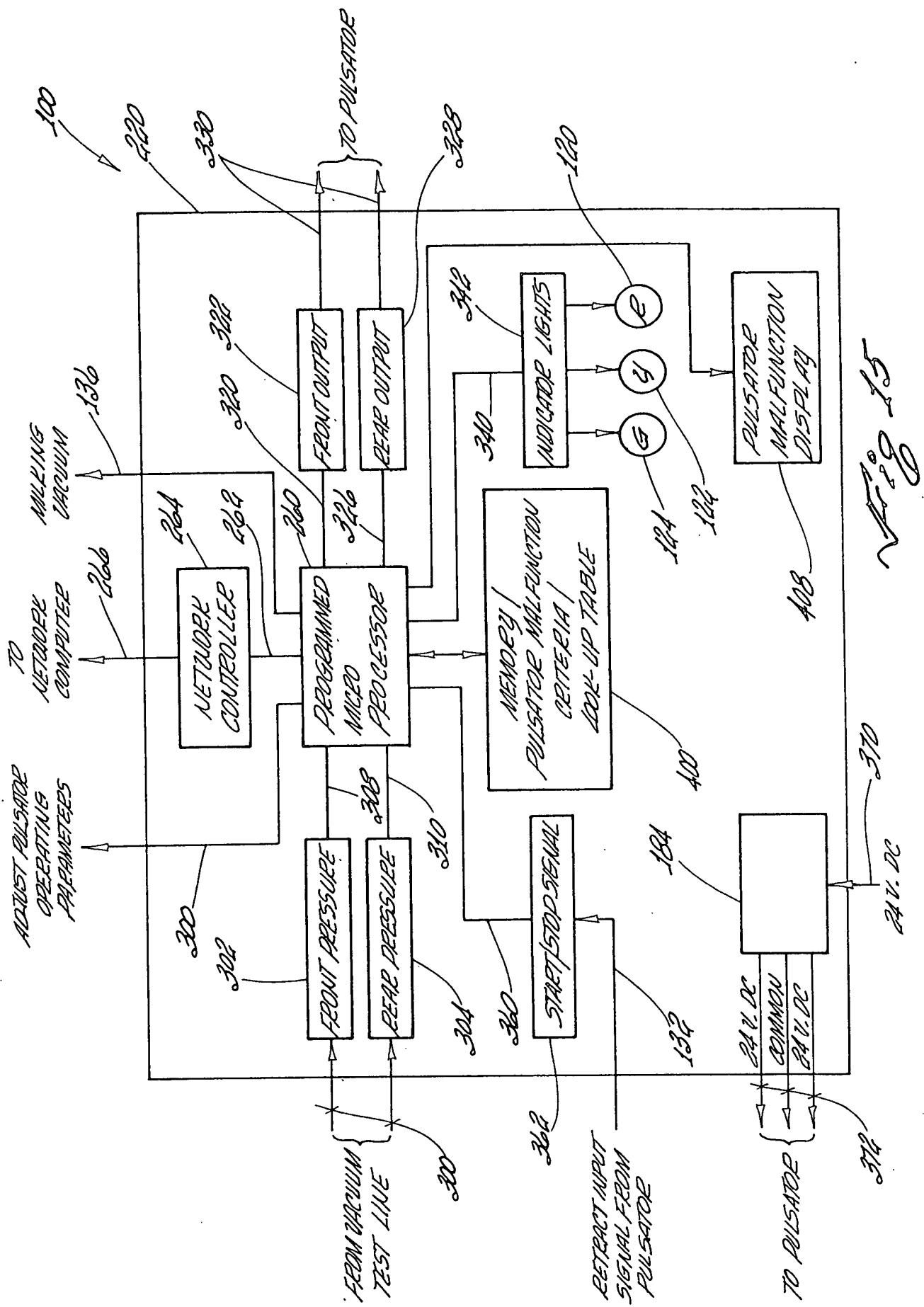


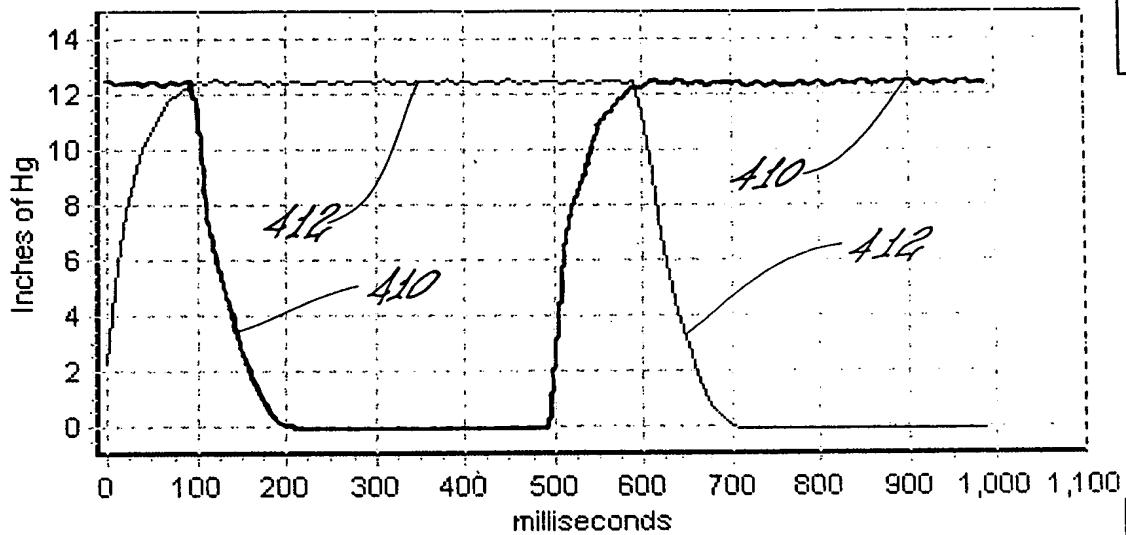
Fig 14



STALL < 01 >

Monitor Parameters Phases

Cycle Information



- Front
- Rear

	Front	Rear
A:	60 ms	60 ms
B:	540 ms	540 ms
C:	72 ms	70 ms
D:	328 ms	330 ms
A+B:	600 ms	600 ms
C+D:	400 ms	400 ms
Max:	12.6" Hg	12.6" Hg
Min:	0.0" Hg	0.0" Hg
PPM:	60.0	60.0

No problems

percent
 mil sec

Status



~Fig 16

STALL < 01 >

Monitor Parameters | Phases]

Pulsation

- Do Pulsation
- By Activation
- From Network
- From VSO coil
- 0v Pulsate

PPM:

Rate On: %

Rate Off: 40 %

Alarms

- Do Monitoring
- By Activation
- From Network
- From VSO coil
- 0v Monitor

PPM:

Rate On: %

Rate Off: 40 %

Alarm Limits

Cycles to Average:

Rate On and PPM variation: %

Phase D Max Vacc: °Hg

Phase B Vacc Range:

Minimum Phases

Phase A:	<input type="text" value="55"/>	msec
Phase B:	<input type="text" value="400"/>	msec
Phase C:	<input type="text" value="60"/>	msec
Phase D:	<input type="text" value="180"/>	msec

 READ THIS

 PROGRAM THIS

 PROGRAM ALL

Fig 17

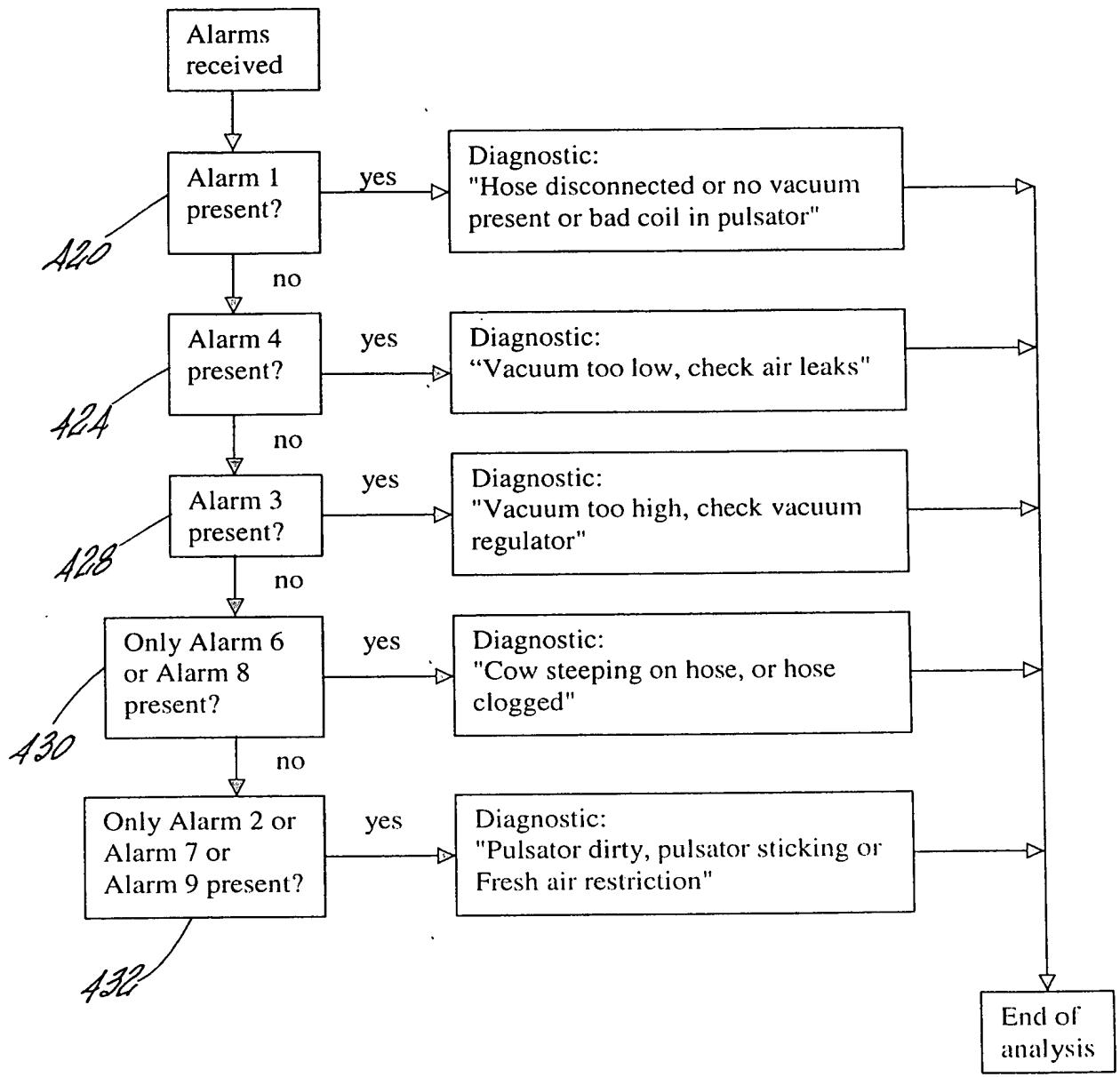


Fig 16